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Sub D1
B1

8. (Amended) [Isolated] An isolated nucleic acid [encoding the PM-1 protein or antigenic fragment of claim 1, or the functional equivalent of said nucleic acid] comprising the nucleotide sequence shown in the Sequence Listing or a fragment of the nucleotide sequence shown in the Sequence Listing which encodes an antigenic fragment of PM-1 protein.

9. (Amended) [Nucleic acid] The nucleic acid of claim 8, which is cDNA.

✓
Add new claims 35-52 as follows:

Sub D2

--35. The nucleic acid of claim 8 wherein the nucleotide sequence comprises the coding region of the nucleotide sequence shown in the Sequence Listing.

Isolated
36. The nucleic acid of claim 35, wherein the coding region comprises nucleotide 179 to nucleotide 1627 of the nucleotide sequence shown in the Sequence Listing.

B²

37. A nucleic acid comprising a nucleotide sequence which is a functional equivalent of the nucleic acid of claim 8.

Sub D3

38. The nucleic acid of claim 37, wherein the nucleotide sequence hybridizes to a nucleotide sequence which is complementary to the nucleotide sequence shown in the Sequence Listing.

39. An isolated nucleic acid comprising a nucleotide sequence which encodes the amino acid sequence shown in the Sequence Listing or a nucleotide sequence which

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encodes an antigenic fragment of the amino acid sequence shown in the Sequence Listing.

40. A nucleic acid comprising a nucleotide sequence which is a functional equivalent of the nucleic acid of claim 39.

Sul
D4

41. The nucleic acid of claim 40, wherein the nucleotide sequence hybridizes to a nucleotide sequence which is complementary to the nucleotide sequence shown in the Sequence Listing.

B²
conf'd

42. The nucleic acid of claim 39, wherein the antigenic fragment comprises at least one T cell epitope which is recognized by a T cell receptor specific for the PM-1 protein having an amino acid sequence shown in the Sequence Listing.

43. The nucleic acid of claim 42, wherein the antigenic fragment comprises at least 7 amino acid residues.

Sul
D5

44. The nucleic acid of claim 38, which encodes an amino acid sequence shown in the Sequence Listing which is modified by an amino acid substitution, deletion, or addition.

45. A recombinant expression vector comprising the nucleic acid of claim 8.

46. A recombinant expression vector comprising the nucleic acid of claim 35.

47. A recombinant expression vector comprising the nucleic acid of claim 39.